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IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT



NORTH KOREAN

SURFACE-TO-AIR MISSILE FACILITIES

Declassification by NIMA/DoD



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CIA/PIR 61077

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NORTH KOREAN SURFACE-TO-AIR MISSILE FACILITIES

This report has been prepared in response to a request for data on the surface-to-air missile (SAM) facilities in North Korea. To date, the only SAM facilities identified in North Korea consist of two SAM sites and a possible SAM assembly area deployed around Pyongyang. Significant information concerning the development of the SAM facilities, as observed on each successive photographic mission, is contained in the accompanying tables. The cutoff date for information contained in this report is 20 July 1965.

All measurements have been made by the CIA/IAD project analyst using scale factors derived from photo/map comparisons and should be considered approximate only.

PYONGYANG SAM SITE B17-2

Pyongyang SAM Site B17-2 is located 15 nautical miles (nm) south-southeast of Pyongyang at 38-45-10N 125-51-00E. It is a link-type SA-2 site consisting of six revetted launch positions, a central guidance area, and three missile hold positions (Figure 2). These hold positions contain permanent buildings rather than the hold revetments usually seen at SA-2 sites. Additional facilities at this site consist of twelve small barracks buildings and five administration/technical buildings. A six-position AAA site is located 2000 feet northwest of the SAM launch site. A chronological development of this site is presented in Table I.

PYONGYANG SAM SITE B23-2

Pyongyang SAM Site B23-2 is located 18 nm southwest of Pyongyang at 38-48-00N 125-27-50E. This also is a link-type SA-2 site consisting of six revetted launch positions and a central guidance area (Figure 3). The additional facilities at this site consist of twelve small barracks buildings and five administration/technical buildings. Here again, the missile hold positions contain permanent buildings, rather than revetments. Approximately one nm west of the SAM site are 50 small barracks-type buildings which may be associated with the site. Additional information concerning these and the other facilities at this site is presented in Table II.

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PYONGYANG POSSIBLE SAM ASSEMBLY AREA

The Pyongyang possible SAM assembly area is located 10 nm southeast of Pyongyang at 38-51-10N 125-54-00E. This installation was present on the earliest available [] coverage of this area []

[] It consists of a probable military storage area, into which a SAM support capability was possibly incorporated (Figure 4). SAM equipment was identified in the western portion of this area on []

[] The current status of this area cannot be determined. No SAM equipment has been identified here since [] however all coverage subsequent to [] has been small scale [] photography.

It is possible that SAM support activity is conducted at this area. However, it is also possible that this activity, on a limited scale, could take place at the SAM sites themselves. This could account for the presence of the permanent missile hold buildings and the additional administration/technical buildings at each of the two sites. A chronology of photographic analysis of this possible SAM assembly area is presented in Table III.

REFERENCES

PHOTOGRAPHY



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MAPS AND CHARTS

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REQUIREMENT

C-RR5-82,170

CIA/IAD PROJECT

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TABLE I

PYONGYANG SAM SITE B17-2, 38-45-10N 125-51-00E, [REDACTED]

Site First Observed [REDACTED]

Negation Date [REDACTED]

Construction Status	Number of Launch Positions Occupied	Presence/Description of Central Guidance Area	Vehicles/Equipment in Central Guidance Area	Other Equipment Present	Presence/Description of Support Area	Remarks
Late stages. Two missile hold buildings located around perimeter of site are complete and the foundation is present for a third.	All positions probably occupied.	Under construction. Three and possibly five small buildings located within. Cable scars are evident between the guidance area and two launch revetments.	Two possible vehicles	Two probable missile transporters in launch revetments.	Earth scarring apparent in areas where buildings later appear.	Site possibly operational
Complete. Three drive-thru permanent structures located in the hold revetments. Each measures 75 by 15 feet.	All positions probably occupied.	Four to six small buildings located within the area. No equipment identifiable.	None identifiable *	None identifiable	Consists of five administration/technical buildings (the largest approximately 125 by 35 feet) and 12 probable one story barracks (each approximately 60 by 20 feet).	
	Cannot determine**	No apparent change from [REDACTED]	None identifiable	None identifiable	No apparent change from [REDACTED]	
	All positions probably occupied.	No apparent change from [REDACTED]	None identifiable	None identifiable	No apparent change from [REDACTED]	
See Remarks.	See Remarks	See Remarks	See Remarks	See Remarks	See Remarks	Identification only due to haze and obliquity.

* None Identifiable - Quality is such that concentrations of vehicles/equipment would be detected.

** Cannot Determine - Poor quality photography precludes detailed interpretation.

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Table I continued....

Construction Status	Number of Launch Positions Occupied	Presence/Description of Central Guidance Area	Vehicles/Equipment in Central Guidance Area	Other Equipment Present	Presence/Description of Support Area	Remarks
	At least five, possibly six positions are occupied.	Four small buildings or equipment present. The area is probably not revetted	None identifiable	None identifiable	No apparent change from Mission	
	One position probably occupied. Cannot determine status of other five.	No apparent change from Mission	None identifiable	None identifiable	No apparent change from	

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TABLE II

PYONGYANG SAM SITE B23-2, 38-48-00N 125-27-50E,

Construction Status	Number of Launch Positions Occupied	Presence/Description of Central Guidance Area	Vehicles/Equipment in Central Guidance Area	Other Equipment Present	Presence/Description of Support Area	Remarks
Complete. Three drive-thru missile hold buildings located around the site perimeter. Each approximately 75 by 15 feet.	All positions possibly occupied.	Present - appears occupied, but no details of buildings/equipment discernible.	None identifiable*	None identifiable	Five administration/technical buildings (the largest approximately 140 by 40 feet) and 12 probable one story barracks buildings (each approximately 60 by 20 feet).	Approximately 50 small probable one story structures are located one nm west of site, and may be associated with the site (Figure 3). They can be negated on [redacted] and are first observed on [redacted] 2) Each approximately 35 by 20 feet.
	All probably occupied	No apparent change from Mission	None identifiable	None identifiable	No apparent change from Mission	
	All probably occupied	No apparent change from Mission	None identifiable	None identifiable	No apparent change from Mission	

* None Identifiable - Quality is such that concentration of vehicles/equipment would be detected.

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Table II continued....

Construction Status	Number of Launch Positions Occupied	Presence/Description of Central Guidance Area	Vehicles/Equipment in Central Guidance Area	Other Equipment Present	Presence/Description of Support Area	Remarks
	See Remarks	See Remarks	See Remarks	See Remarks	No apparent change from Mission	Launch site is cloud covered.
	Cannot determine **	No apparent change from Mission	Cannot determine	Cannot determine	No apparent change from Mission	Small scale, poor quality photography.
	Cannot determine	No apparent change from Mission	Cannot determine	Cannot determine	No apparent change from Mission	Small scale, poor quality photography.
	All positions occupied	Occupied. Not revetted.	Probable FAN SONG radar visible. One other unidentified vehicle/equipment present.	None identifiable	No apparent change	
	Cannot determine	No apparent change from Mission	None identifiable	None identifiable	No apparent change from Mission	

** Cannot Determine - Poor quality photography precludes detailed interpretation.

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TABLE III

PYONGYANG POSSIBLE SAM ASSEMBLY AREA,

38-51-10N 125-59-00E,

Installation First Observed

Installation Cannot be Negated

SAM Equipment

Mission and
Date of
Coverage

Equipment Present

Remarks

Six probable missile trans-
porters and 5-6 other
pieces of possible SAM-
related equipment.

Identification of probable
SAM-related equipment
within the confines of a
previously existing military
depot indicates certain of
the facilities at this
installation may have been
modified to provide a SAM
support function.

None identifiable

Area in which equipment was
seen on [] appears
unoccupied. No other
equipment or vehicle con-
centrations are visible.
However, small scale pre-
cludes identification of
any individual equipment
in area.

None identifiable

Remarks for []
apply.

Cannot determine

Poor quality. No major change
apparent in area.

Cannot determine

Identification only. Haze and
obliquity preclude detailed
interpretation.

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Table III continued....

Equipment Present

Remarks

None identifiable

Remarks for
apply.

None identifiable

Poor quality. No major
change apparent in area.

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PYONGYANG SAM SITE BI7-2
38-45-10N 125-51-00E

N

SIX-POSITION AAA SITE

12 SMALL BARRACKS

5 ADMIN/TECHNICAL BUILDINGS

FIGURE 2

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PYONGYANG SAM SITE B23-2
38-48-00N 125-27-50E

N

50 SMALL BARRACKS

12 SMALL BARRACKS

5 ADMIN/TECHNICAL BUILDINGS

FIGURE 3

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PYONGYANG POSSIBLE SAM ASSEMBLY AREA
38-51-10N 125-54-00E

SAM EQUIPMENT PARKED HERE ON

POSSIBLE SAM ASSEMBLY AREA

DATE OF PHOTOGRAPHY:

FIGURE 4

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